

FIG. 1

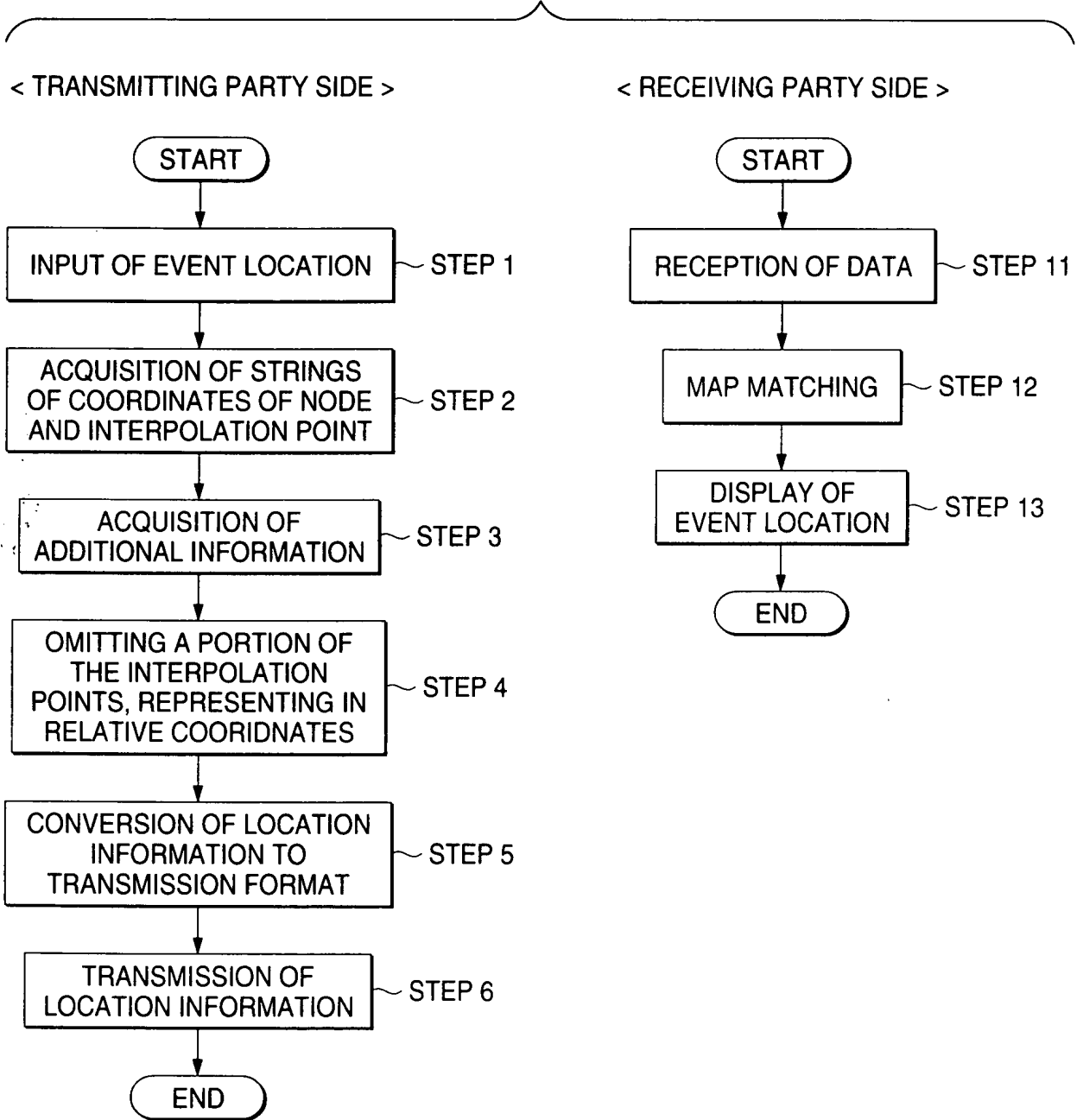


FIG. 2A

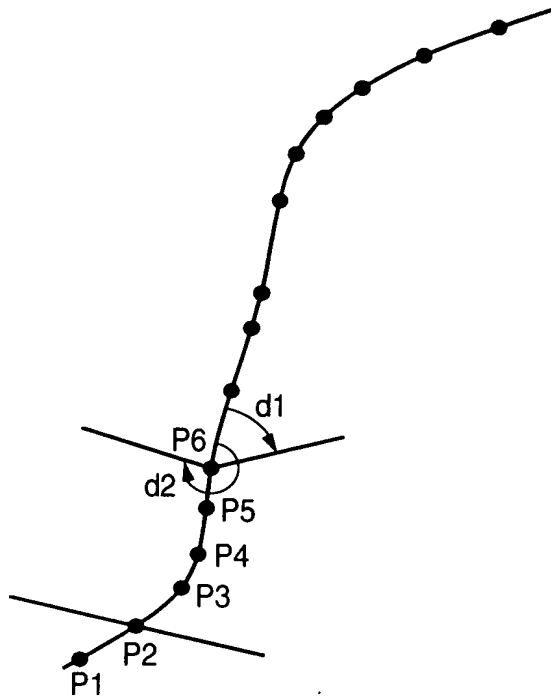


FIG. 2B

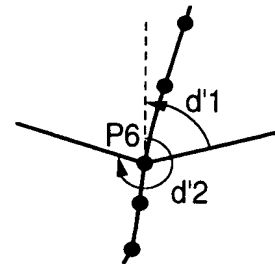


FIG. 3A

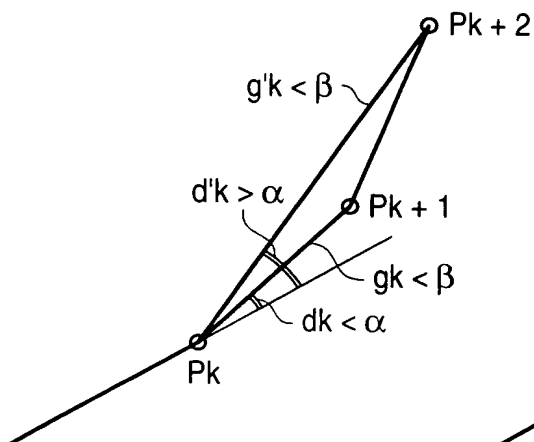


FIG. 3B

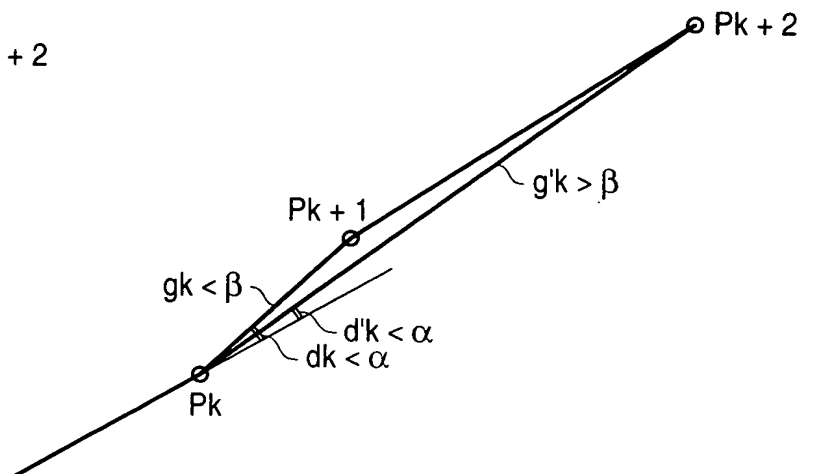


FIG. 4

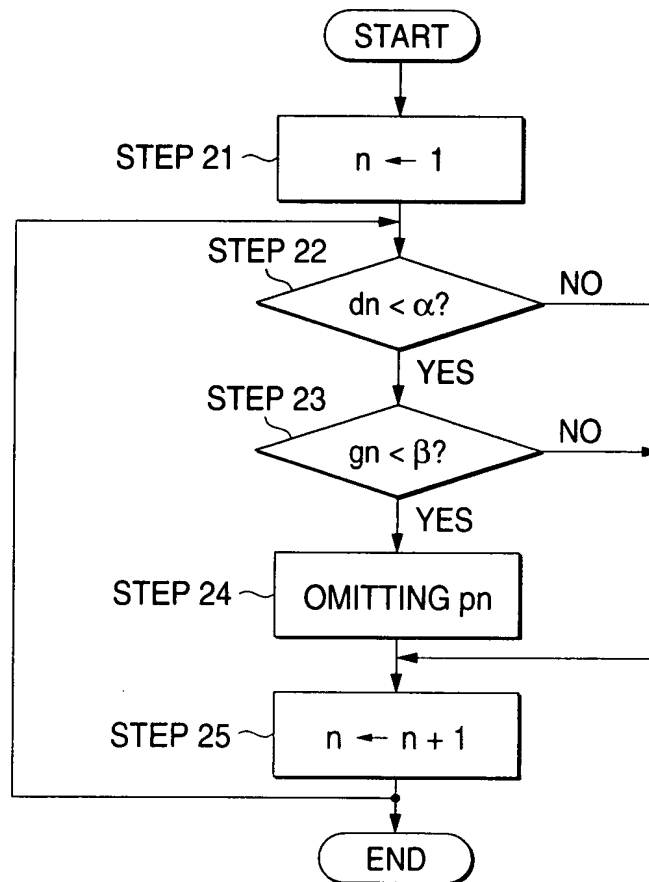


FIG. 5A

NODE STRING INFORMATION

TOTAL NUMBER OF NODES n
NODE NUMBER p_1
LONGITUDE
LATITUDE
NODE NUMBER p_2
RELATIVE COORDINATE x_2
RELATIVE COORDINATE y_2
⋮
NODE NUMBER p_n
RELATIVE COORDINATE x_n
RELATIVE COORDINATE y_n

FIG. 5B

ADDITIONAL INFORMATION

ROAD TYPE CODE (EXPRESSWAY, NATIONAL HIGHWAY OR ETC.)
ROAD NUMBER (NATIONAL HIGHWAY 246 OR ETC.)
NUMBER OF CROSSING INFORMATION ITEMS
NODE NUMBER p_2
NUMBER OF CONNECTING LINKS TO p_2 i_2
ANGLE 1 OF CONNECTING LINKS TO p_2
⋮
ANGLE i_2 OF CONNECTING LINKS TO p_2
NODE NUMBER p_6
NUMBER OF CONNECTING LINKS TO p_2 i_6
ANGLE 1 OF CONNECTING LINKS TO p_6
⋮
ANGLE i_6 OF CONNECTING LINKS TO p_6

FIG. 6

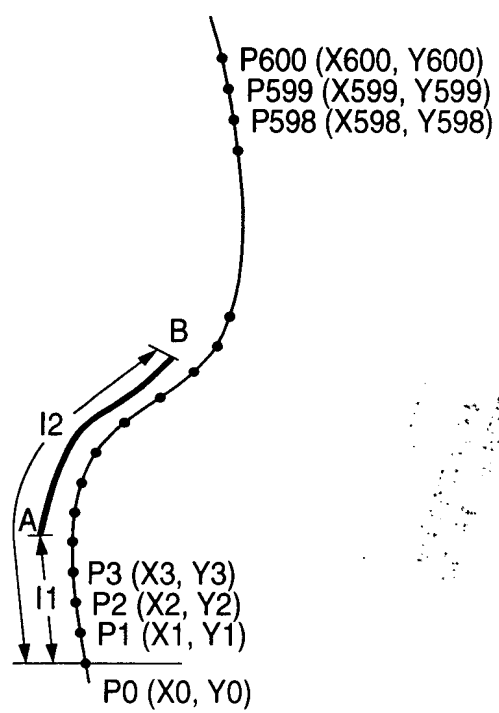


FIG. 7

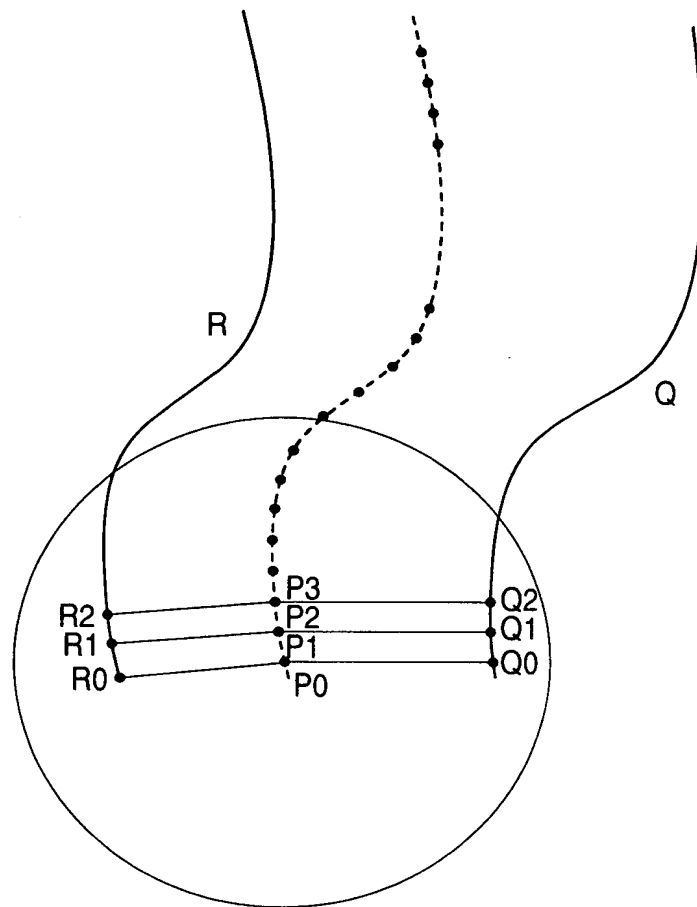


FIG. 8

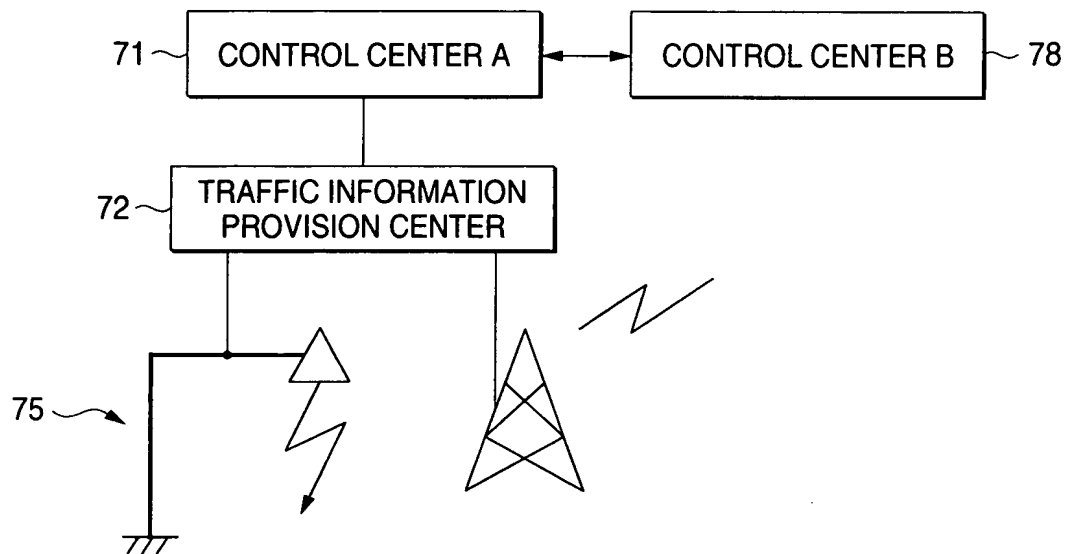


FIG. 9A

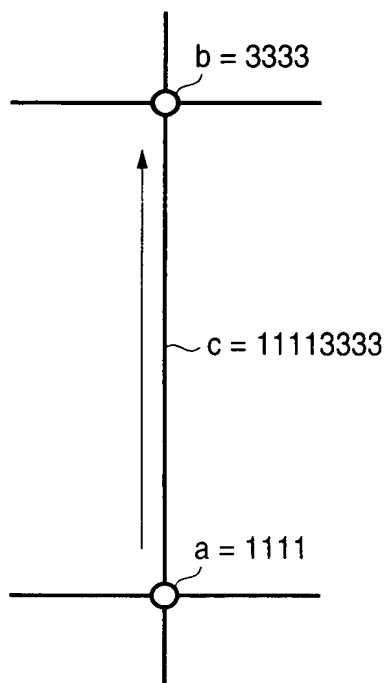


FIG. 9B

